BTEC Assignment Brief

Qualification	Pearson BTEC International Level 3 Certificate in Information Technology Pearson BTEC International Level 3 Subsidiary Diploma in Information Technology Pearson BTEC International Level 3 Foundation Diploma in Information Technology Pearson BTEC International Level 3 Diploma in Information Technology Pearson BTEC International Level 3 National Extended Diploma in Information Technology
Unit number and title	**Unit 13: Software testing**
Learning aim(s)	**A:** Understand the software development and testing methodologies commonly used during the development life cycle to quality assure software
Assignment title	How is software tested?
Assessor	
Issue date	
Hand in deadline	

Vocational Scenario or Context	You have recently started work as a software testing engineer at a start-up company which is creating a new software product. You have been tasked with the testing of the product. You will be part of a small newly recruited team of testers, and you have been asked to prepare induction materials covering the different testing methodologies that could be used.

Task 1	Create a PowerPoint presentation with accompanying speakers notes in which you evaluate the different testing methodologies (e.g. unit, acceptance, functional, system testing etc.) used in at least two different software development projects which use different development methodologies (e.g. agile, waterfall, Kanban). You need to consider how the choice of project methodology affects the testing methods, software product, requirements and development team members. You should cover the advantages and disadvantages of each methodology, justifying its suitability for the project, suggesting alternatives if you do not consider it to be

	suitable.
Checklist of evidence required	Completed presentation slides with speaker notes
Criteria covered by this task:	
Unit/Criteria reference	To achieve the criteria you must show that you are able to:
A.D1	Evaluate the characteristics of testing methodologies used in software development projects and how the choice of project methodology affects the testing method, software product, requirements and team members.
A.M1	Compare the characteristics of testing methodologies used in software development projects and how the choice of project methodology affects the testing method, software product, requirements and team members.
A.P1	Explain the characteristics of testing methodologies used in software development projects and how the choice of project methodology affects the testing method, software product, requirements and team members.

Sources of information to support you with this Assignment	Samaroo A, Thompson G, Hambling B. Software Testing: An ISTQB-BCS Certified Tester Foundation Guide 3rd edition. BCS, 2016, 978-1780172996 Crispin L, Gregory J, Agile Testing: A Practical Guide for Testers and Agile Teams. Addison Wesley 2008. 978-0321534460 Linz, T. Testing in Scrum: A Guide for Software Quality Assurance in the Agile World. Rocky Nook 2014. 978-1937538392
Other assessment materials attached to this Assignment Brief	*e.g., work sheets, risk assessments, case study*